

- 2. Method according to claim 1, characterized in that the brake torque $(M_{\rm Br})$ is determined on the basis of the motor currents (I_1, I_2) with the brake (22) released and applied.
- 3. Method according to claim 1, characterized in that the brake (22) is applied for the time of at least one motor revolution.
- 4. Method according to claim 1, characterized in that brake application is repeated in a measuring sequence.
- 5. Method according to claim 1, characterized in that there is a reversal of the rotation direction of the motor (21) between brake applications or after groups of brake applications for the same rotation direction.
- 6. Method according to claim 1, characterized in that the measurement is performed during a movement of the motor (21), which is assisted by an optionally present gravitational moment.
- 7. Method according to claim 1, characterized in that the motor and/or brake temperature (T_{Br}) is measured and used for correcting the determined brake -torque (M_{Br}).
- 8. Method according to claim 1, characterized in that the measuring data (Nact, Ides, Iact, TBr/Ubr; MBr) are recorded.
- 9. Method according to claim 1, characterized in that the measuring data (Nact, Ides, Iact, TBr/Ubr; MBr) are displayed.
- 10. Method according to claim 1, characterized in that the measuring data (Nact, Ides, Iact, TBr/Ubr; MBr) are printed out.
- 11. Method according to claim 1, characterized in that the measuring data (Nact, Ides, Iact, TBr; MBr) of different measuring sequences are automatically compared.